



PHILIP MORRIS

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Charles E. B. Glenn
Senior Patent Counsel

September 17, 1992

never sent

Christopher J. Harnett, Esq.
Fish & Neave
875 Third Avenue
New York, New York 10022-6250

Re: PM 1653 and PM 1672

Dear Chris:

As a result of the recent review of the docket with Fran Utsch and Bernie LaRoy, PM 1653 is now limited to the serpentine heater (D-882). As you are aware, PM 1672 includes D-881 and D-883. * 883

Regarding PM 1653, there are two general forms of serpentine heaters, one formed from sheet metal by laser cutting (including cutting the heaters from a metal cylinder) and other processes, and a significantly thinner form including those which are printed on a substrate or constructed from a very thin metallic foil.

Of the host of people in PM 1653, please be aware that in addition to Al Collins, Mary Ellen Counts, Grier Fleischhauer, Bill Keen, Bernie LaRoy, Seetharama C. Deevi should also be considered for an embodiment where serpentine heaters are cut from a metal cylinder.

PM 1672 provides an octopus form, whether you begin with a spider construction or the comb alternative. The insulator material is formed from a glop that has a coefficient of expansion matching the bendable, supportive metallic substrate. The final octopus shape is employed much like the heater arrangement in Fig. 10 of PM 1550.

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Christopher J. Harnett, Esq.

September 17, 1992

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We would not object to you arranging a visiting Philip Morris to glean additional information from the inventors and to resolve inventorship.

Please arrange a visit through Dee Shannonhouse at Ext. 5307.

Thank you for your attention to these matters.

Sincerely,

Charles E. B. Glenn

CEBG/drs

Enclosure: Drawing of Beta Spider

cc: C. Smith
J. Ingerman
F. Utsch

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